Wastewater reuse pilot for titanium mining

Slovenia, up to 120 m^3/d

Aim of the Project

Lenntech has engineered, manufactured and assembled a pilot installation composed of multimedia filtration (MMF), ultrafiltration (UF) and closed-circuit reverse osmosis (CCRO) for wastewater treatment in a titanium mining plant.

Wastewater presents variable composition, with main challenges high solids, iron, manganese, organics and sulphate content.

The CCRO unit test purpose to work at different recoveries depending on feed water intake characteristics

Scope of Work

- ✓ Engineering, manufacturing and assembly
- ✓ Skidmounted CCRO system
- ✓ Cartridge filtration
- ✓ Skidmounted MMF system
- ✓ Sdidmounted UF system
- ✓ Chemical dosing stations
- ✓ CIP system
- ✓ Antiscalant dosing
- ✓ pH adjustment possibility
- ✓ PLC controlled system
- ✓ Remote monitoring
- ✓ Site commissioning
- ✓ Piloting follow up

Plant specs

❑ **Feed water quality**

Waste water

Project duration

❑ **October 2019 to May 2021**

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